

Dr. E. S. Anderson
Central Enteric Reference Laboratory
Colindale Avenue
London NW 9, England

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Dear Andy:

This is the memorandum previously threatened. I should be very much obliged to you for the following:

1. Protocols on phage specificities, including particularly the actions of typing phages for paraB and typhimurium on Salmonellas outside groups A-B-D.

2. If any of the TM phages act on non-ABD, samples of them. I already have the paraB phages.

3. k (test determinant phage), which confers resistance to O1-3.

To anticipate the time when you may be reviewing phage specificities, I am enclosing a sample of "PLT22V", a virulent mutant of PLT22. It is readily propagated on any of a variety of TM strains. If I can furnish anything else along these lines, please let me know.

I had a brief note recently from Cherry on the specificities of the paraB phages. 3b in particular attacks a variety of other serotypes, but most of those he mentions do carry XII. PLT22 probably cannot be related to any specific component of XII: a transduction-susceptible paraA strain is reported by Kauffmann to lack XII₂. A couple of cases of somatic alterations of a minor sort have cropped up in flagellar antigen transductions: V in abortus-equi, and the gain and loss, respectively, of I in paratyphi A, durazzo, and typical. Kauffmann also has had an example of the former. I am very dubious that these are bona fide transductions: the pattern of spontaneous Form Variation has to be studied more closely under the controlled selective conditions.

I wrote to Bruce about some of your comments; the paper had gone to the editor, but he might have an opportunity to make some changes in press. Since discussing it with you, I have seen two or three examples of "happenstance" in what seemed to be otherwise correct, modern English prose, but have forgotten the references. In an age of quantum indeterminacy perhaps we will have a revival of forgotten terms for such concepts, so foreign to 19th century rational determinism. I hope to have cured Edwards of some part of his aversion to "split verbs" -- Fowler is quite brutal about this.

Esther and I wish to thank you for your cordial note, and hope we can sometime accept your invitation to see you at home. We enjoyed your own visit very much indeed.

Sincerely,